REMARKS

The claims were amended in accordance with the marked-up amendments, above. The amendments are being made to clarify the invention and to focus the claims on those aspects of the invention which are a commercial priority to the assignee. The amendments are fully supported by the specification, claims, and figures as originally filed. No new matter is believed or intended to be involved.

The Office Action rejected claims 1-14 under 35 U.S.C. § 102(b) as being anticipated by Abrams (6,151,608). Applicant traverses the rejection because numerous elements recited in the pending claims are not taught or suggested in the art of record. Abrams discloses a system for migrating data from one or more ASCSII files or relational databases to one or more relational database tables using migration rules and patterns to translate and transform the data. Abrams does not describe two levels of data validation. In particular, Abrams does not teach or suggest validating the data both before transformation and after transformation.

In contrast to the data migration system as taught in Abrams, the invention as presently recited in independent claim 1 is directed to a system for migrating data from any type of source database to any type of target database, wherein data validation occurs both prior to transformation and after transformation. Abrams fails to teach or suggest the claimed combination of a set of mapping instructions, a target schema specification; and a generically coded database conversion engine, wherein the database conversion engine is coded to perform conversions independent of the specific type of source database and the specific type of target database associated with a conversion, wherein data in the source database is sent to the database conversion engine, the target schema specification defines the target database, the set of mapping instructions defines at least one translation instruction for the translation of the source data from the source database to the target database, the database conversion engine receives the source data, the set of mapping instructions and the target schema specification, the database conversion engine parses the set of mapping instructions and the target schema specification, the database conversion engine performs the set of mapping instructions on the source data, the database conversion engine uploads a resulting set of data into said target database in accordance with said target schema specification, and the database conversion engine validates the source data and the resulting set of data in accordance with the target schema specification.

Regarding independent claim 11, Abrams also fails to teach or suggest the claimed combination of a set of mapping instructions, a source extract format specification, a target schema specification, and a generically coded database conversion engine wherein the database conversion engine is coded to perform conversions independent of the specific type of source database and the specific type of target database associated with a conversion, wherein, a basic business object is derived by analyzing information to be transferred from the source database to the target database, the source extract format specification and the target schema

specification are configured according to the basic business object, data in the source database is sent to the database conversion engine, the target schema specification defines the target database, the set of mapping instructions defines at least one translation instruction for the translation of the source data from the source database to the target database, data in the source database is formatted according to the source extract format specification to produce a file with repetitive instances of the basic business object (formatted source data), the database conversion engine receives the source data, the set of mapping instructions and the target schema specification, the database conversion engine parses the set of mapping instructions and the target schema specification, the database conversion engine performs the set of mapping instructions on the source data, the database conversion engine uploads a resulting set of data into the target database in accordance with the target schema specification, and the database conversion engine validates the source data and the resulting set of data in accordance with the target schema specification.

Regarding independent claim 12, Abrams similarly fails to teach or suggest the currently recited combination a mapping specification, a data filter, a source extract format specification, a target schema specification, and a generically coded database conversion engine, wherein the database conversion engine is coded to perform conversions independent of the specific type of source database and the specific type of target database associated with a conversion, wherein, the database conversion engine receives the formatted source data, the database conversion engine converts the formatted source data according to the mapping specification (converted data), the database conversion engine formats the converted data in accordance with the target schema specification (target data), the database conversion engine uploads the target data into the target database, and the database conversion engine validates the source data and the resulting set of data in accordance with the target schema specification.
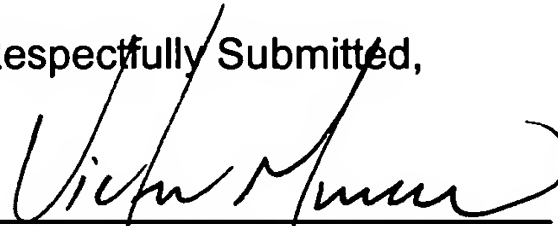
Regarding independent claim 13, Abrams also fails to teach or suggest the method for migrating a source database to a target database presently claimed, including the combination of a delimited source file associated with the source database, a source extract format specification, a set of mapping instructions, an industry-specific mapping instructions template, a mapping language, a target schema specification, and a generically coded database conversion engine wherein the database conversion engine is coded to perform conversions independent of the specific source database and target database associated with a conversion and further comprising the steps of formatting said delimited source file according to the source extract format specification (formatted source data), defining a set of requirements for said target database and encoding the requirements in the target schema specification, developing a set of mapping instructions, that define at least one translation instruction for the translation of the formatted source data from the source database to the target database, using the industry-specific mapping instruction template and further configuring the mapping instructions with commands developed with the mapping language via a graphical user interface, sending the formatted source data, the set of mapping instructions and the target schema specification to the database conversion

engine, validating the formatted source data through a set of computer executable instructions encoded in the database conversion engine, parsing the set of mapping instructions, concurrently performing the set of mapping instructions on the formatted source data to produce a resulting set of data, validating the resulting set of data by comparing it to the target schema specification through a set of computer executable instructions encoded in the database conversion engine, and uploading the resulting data into the target database.

Accordingly, all four independent claims (i.e., claims 1, 11, 12 and 13) overcome the rejection of record and are in a condition for allowance. Beyond the foregoing shortcomings with respect to independent claims, Applicant further notes that the dependent claims include additional limitations not taught or suggested in the art of record, forming independent basis for novelty and non-obviousness.

Based on the foregoing, Applicants submit that all pending claims overcome the rejections presented in the Office Action, and respectfully request reconsideration and an early notice of allowance.

Respectfully Submitted,

Victor C. Moreno (Reg. No. 40,732)
FROST BROWN TODD LLC
2500 PNC Center
201 East Fifth Street
Cincinnati, Ohio 45202-4182
513-651-6812 (direct)
513-651-6981 (fax)

Certificate of Mailing

The undersigned certifies that this correspondence was deposited with the U.S. Postal Service with sufficient postage as first class mail and addressed to "Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450" on April 5, 2005.